

FIG. 1A

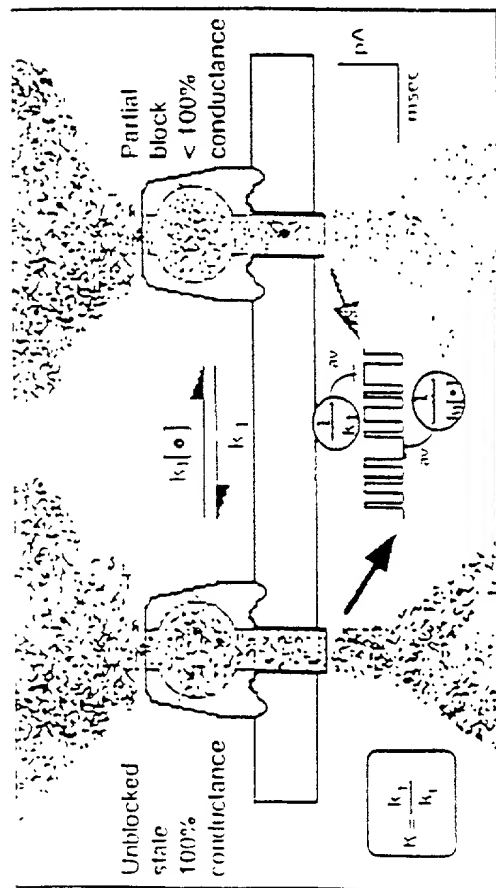


FIG. 1B₁₀

Results

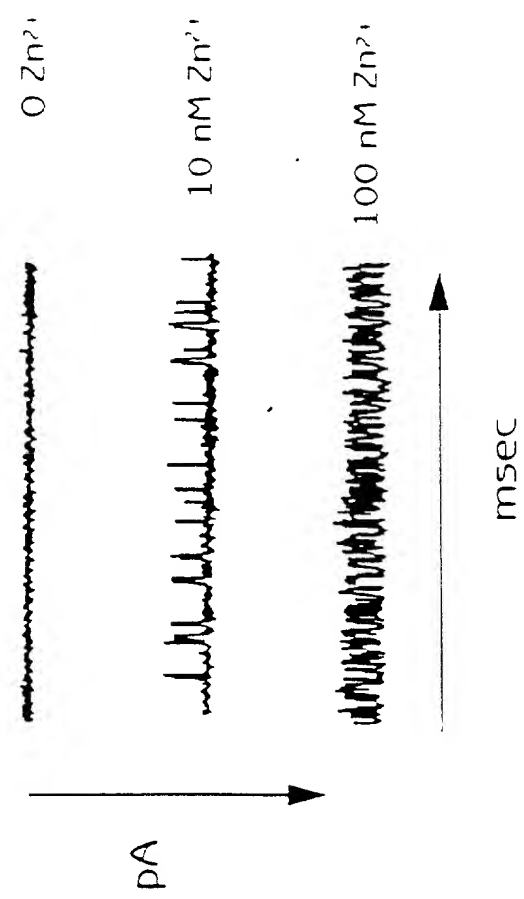


FIG. 1C

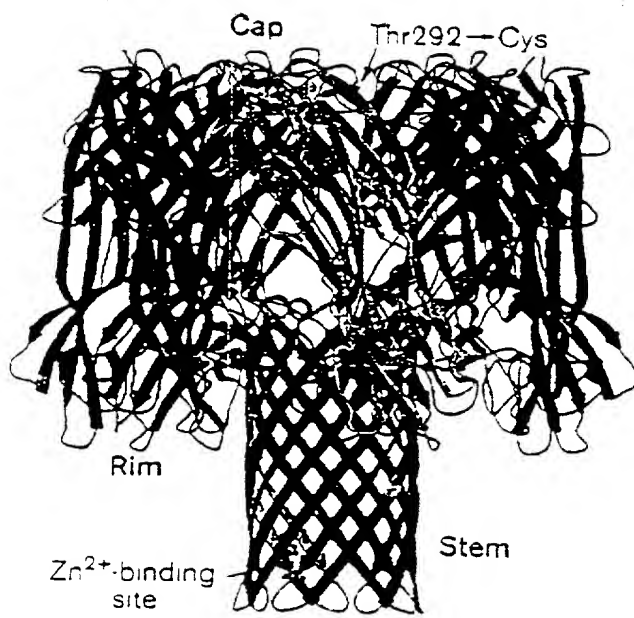


FIG. 1D

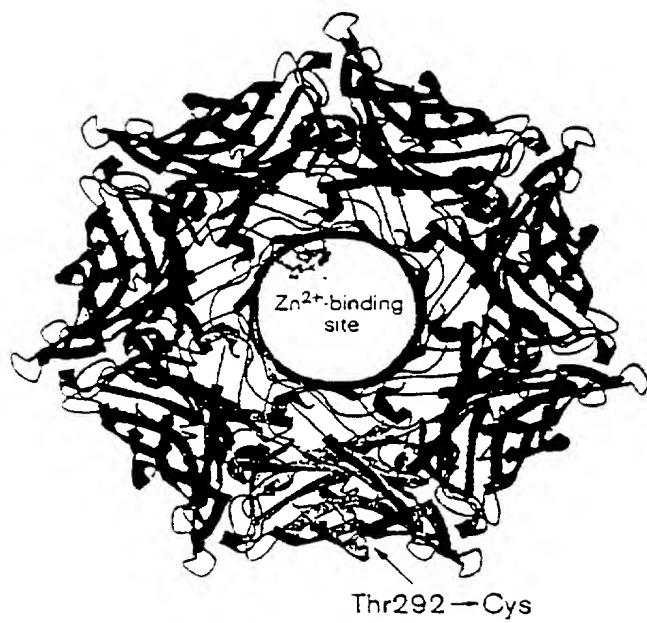


FIG. 1E

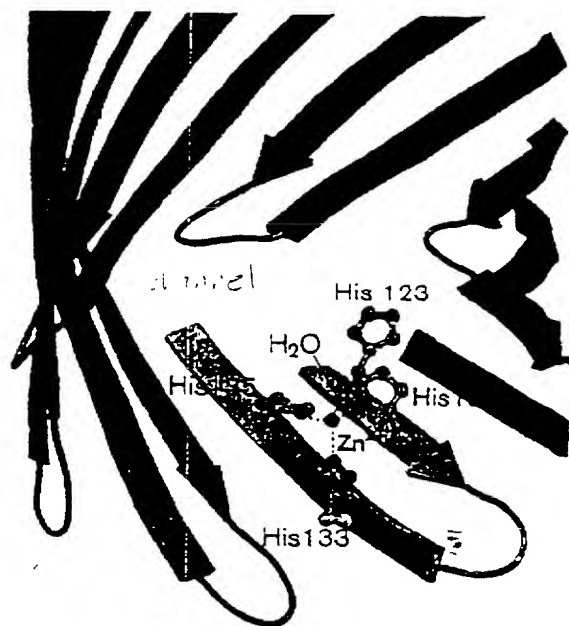


FIG. 1F

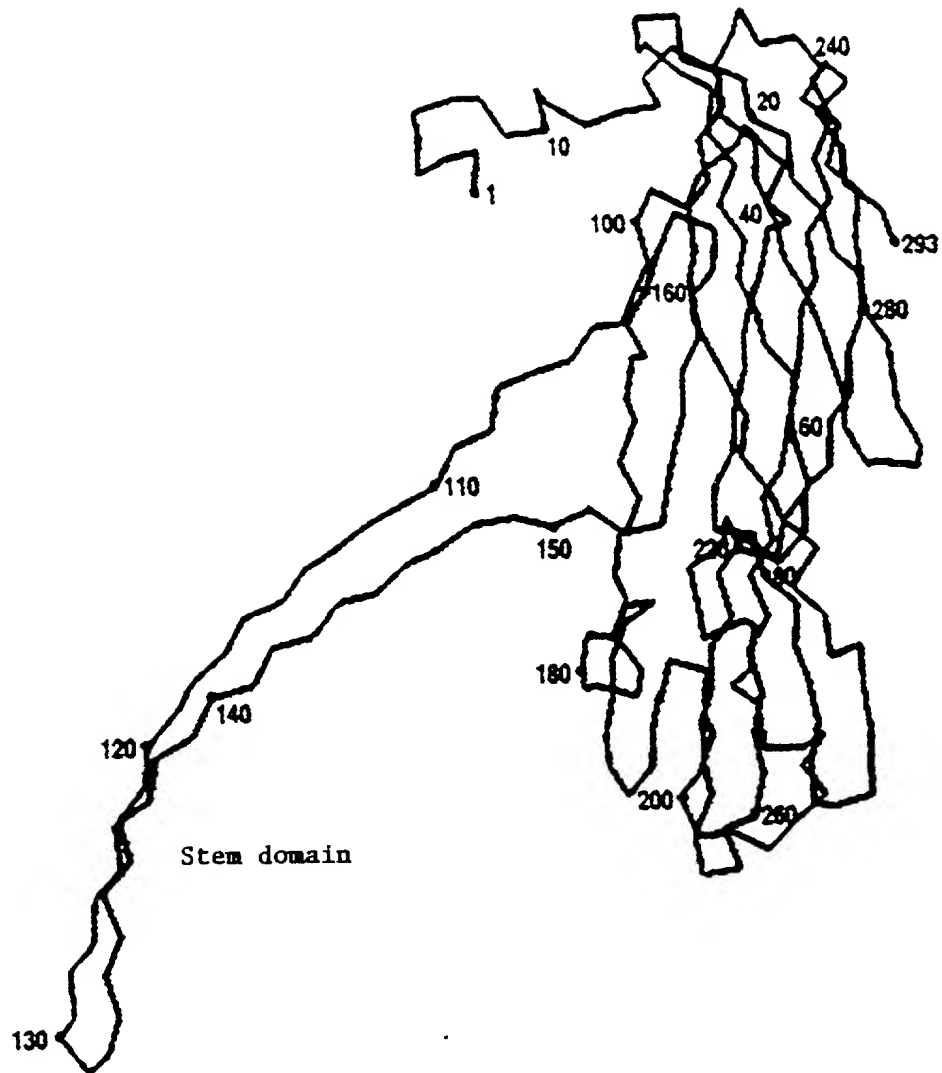


FIG. 2A

Possible permutations	Percent occurrence at mixing ratio of:		
	5:1	1:1	1:5
WT ₅	27.9	0.78	0.0003
WT ₄ MUT ₁	39.1	5.47	0.013
WT ₃ MUT ₂	23.4	15.4	0.19
WT ₂ MUT ₃	7.81	27.3	1.56
WT ₁ MUT ₄	1.58	27.3	7.81
MUT ₅	0.19	16.4	23.4
MUT ₄	0.013	5.47	39.1
MUT ₃	0.0003	0.78	27.9

FIG. 2B

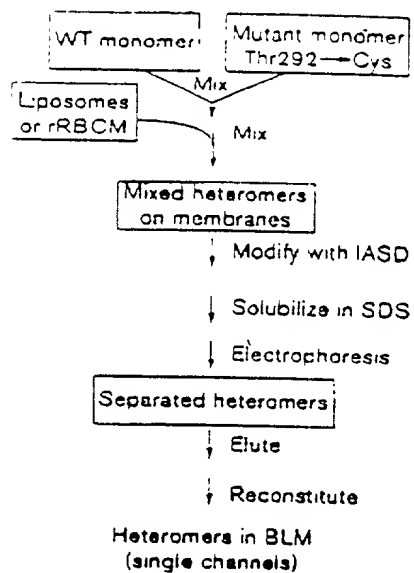


FIG. 2C

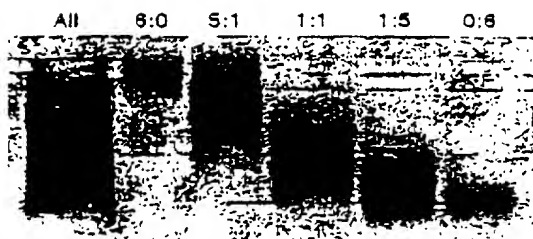


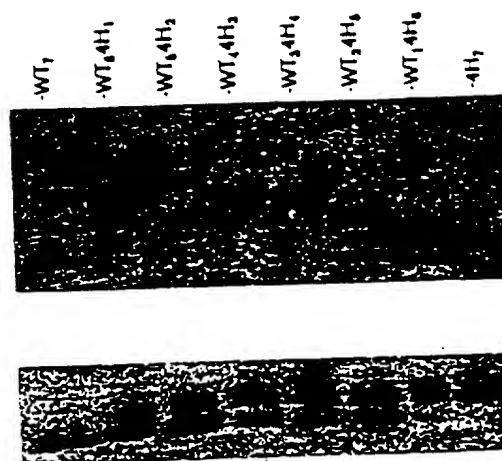
FIG. 3A



FIG. 3B



FIG. 3C



Expected ratio	6.0	2.5	1.33	0.75	0.4	0.17	
Measured ratio	6.2	2.45	1.12	0.61	0.29	0.14	
Standard deviation (n=8)	1.89	0.25	0.41	0.19	0.12	0.07	

FIG. 4A

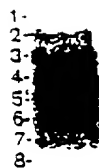


FIG. 4B

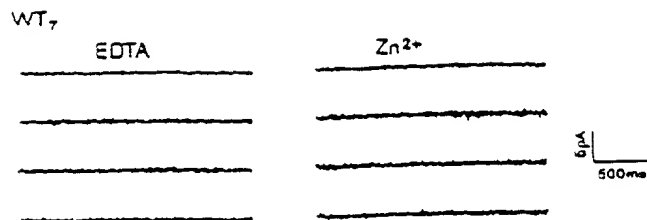


FIG. 4C

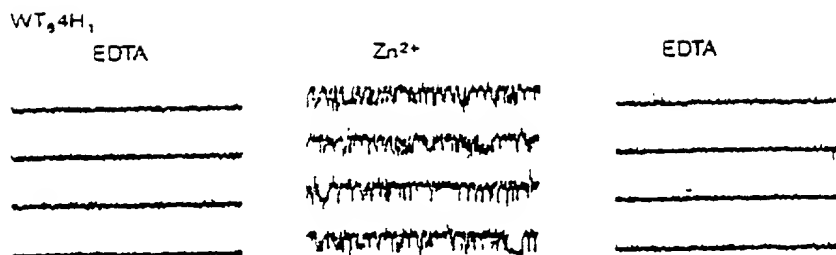


FIG. 4D

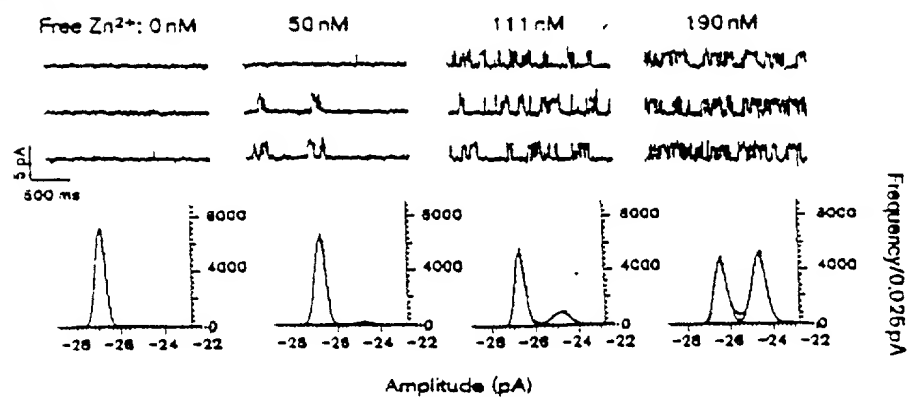


FIG. 5A

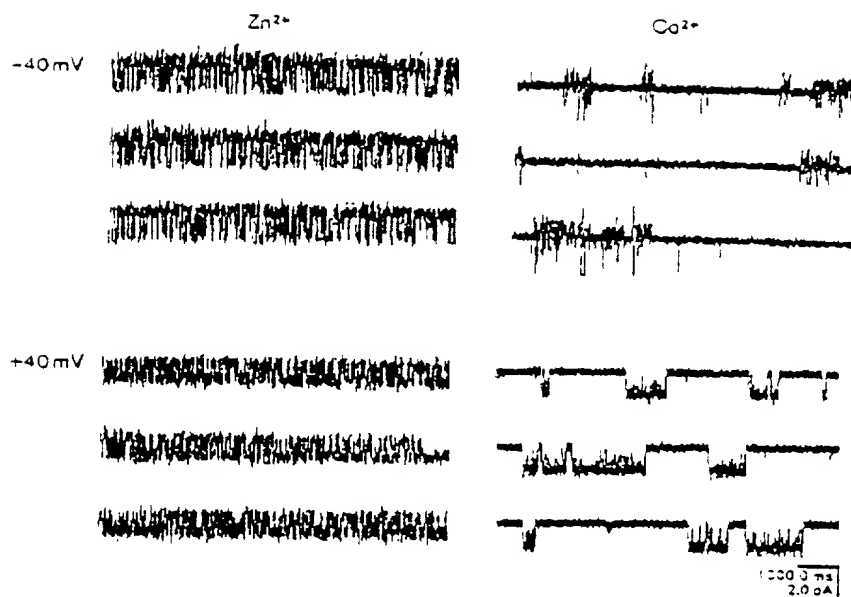


FIG. 5B

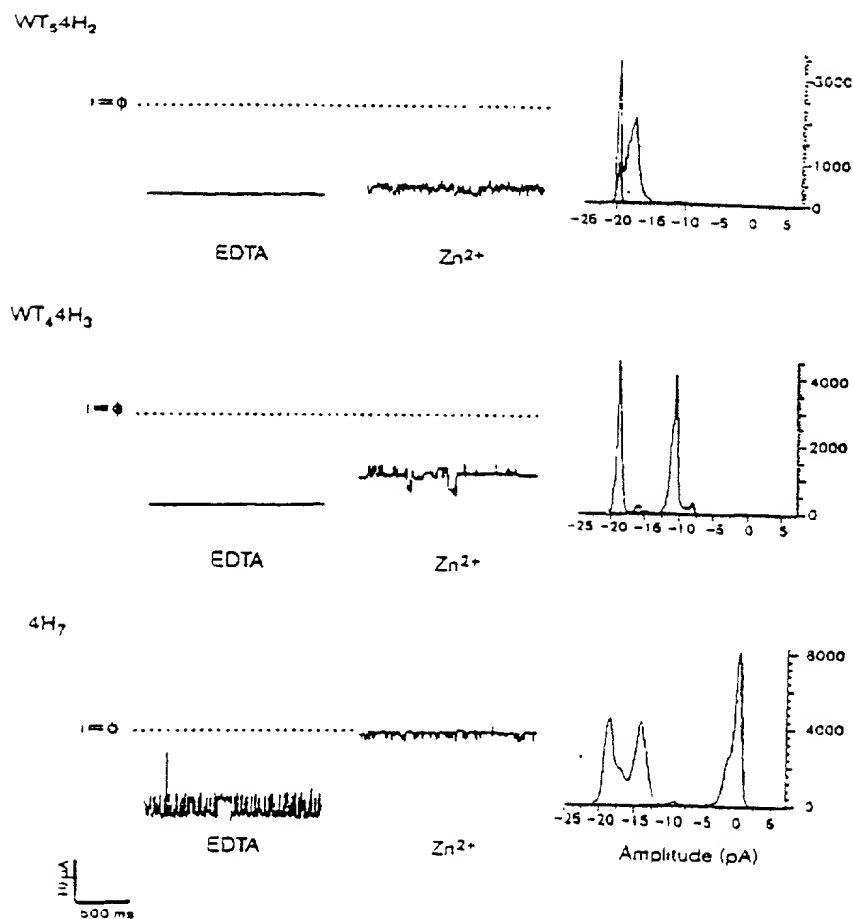
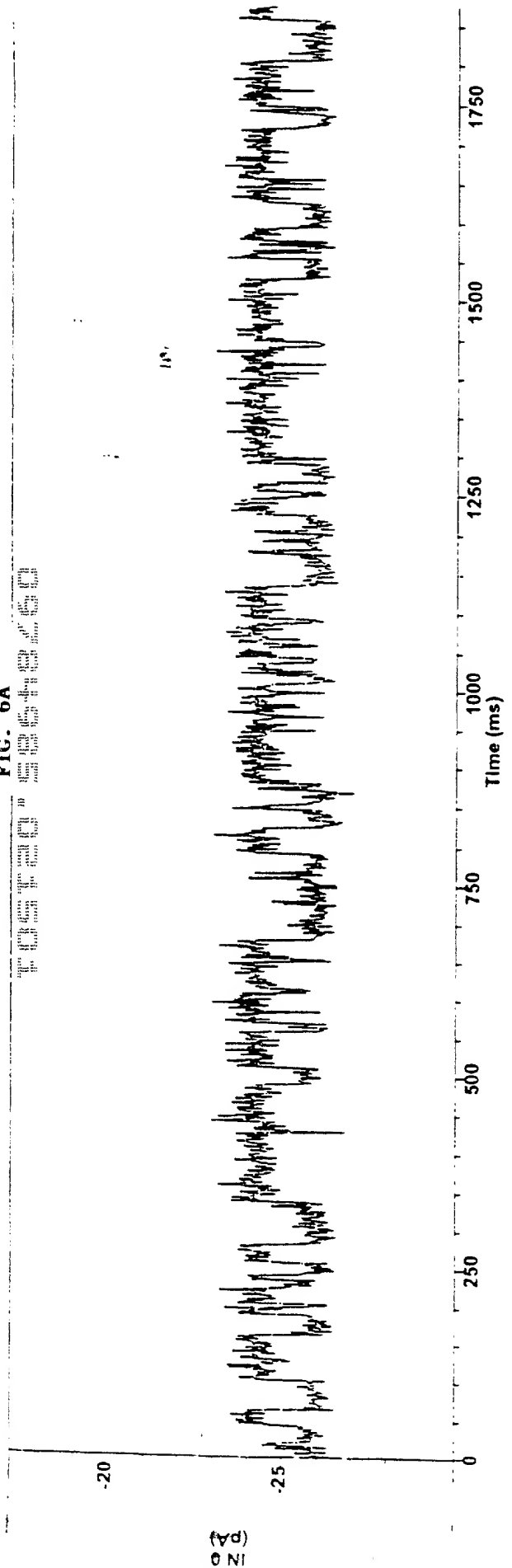


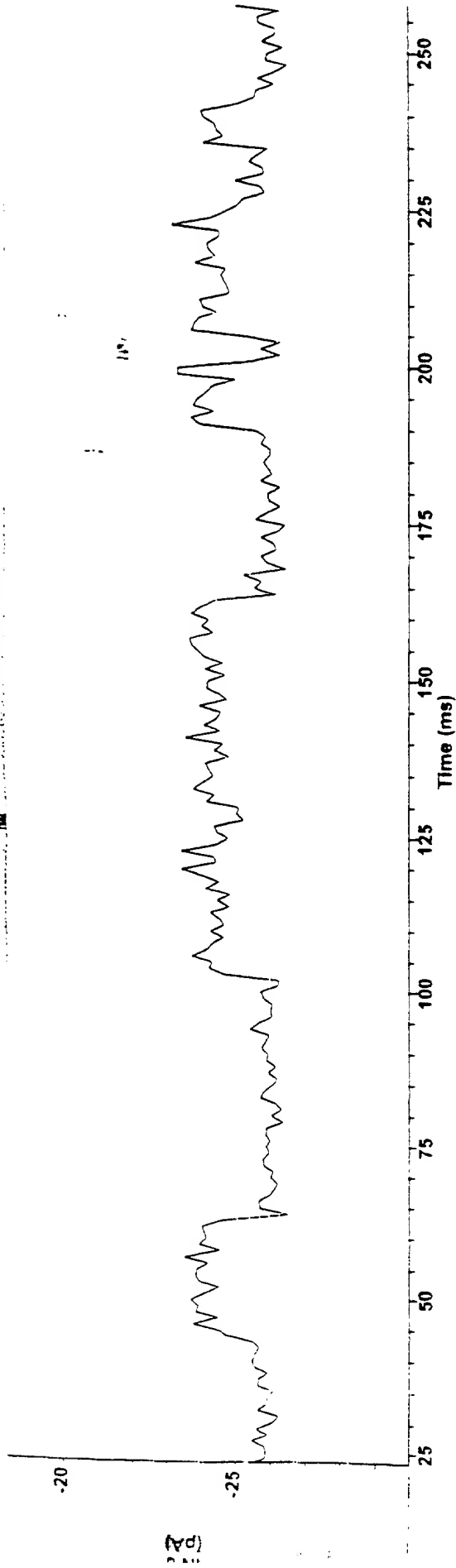
FIG. 6A



-40mV
150 nM Zn(II)

Fig 6B

FIG. 6B



-40mV
150mZn(4)

FIG. 7A

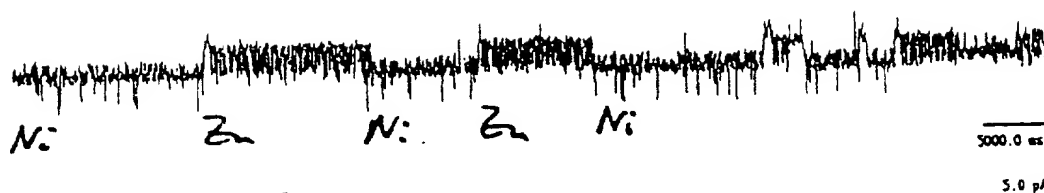
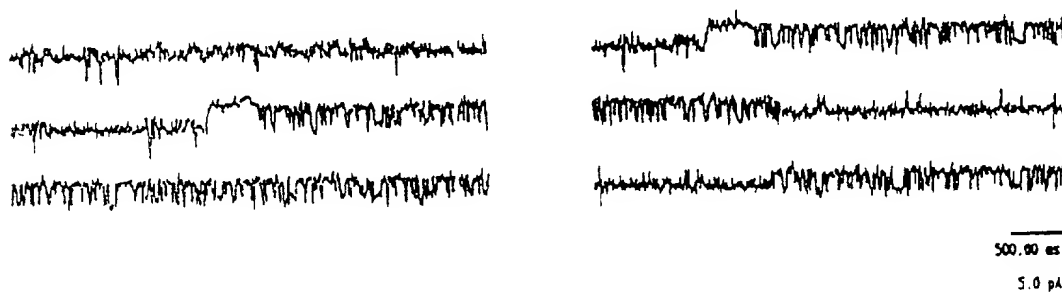


FIG. 7B



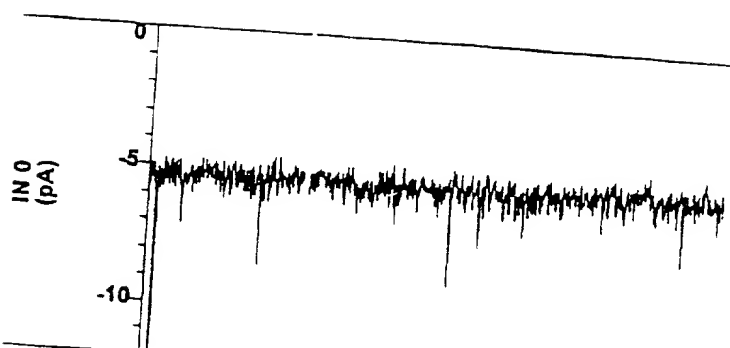
WT₆ 4H₁

-40 mV

40 + 40 nM

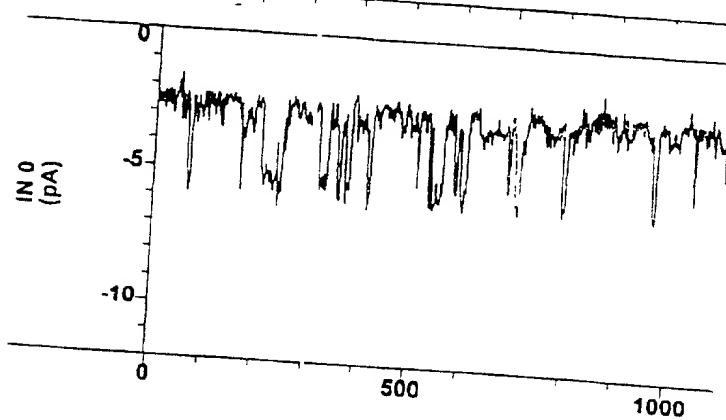
REF ID: A64946

FIG. 8A



10
TNT

FIG. 8B



1 μ m
TNT

\approx
 $\sim 0.25 \mu$ m